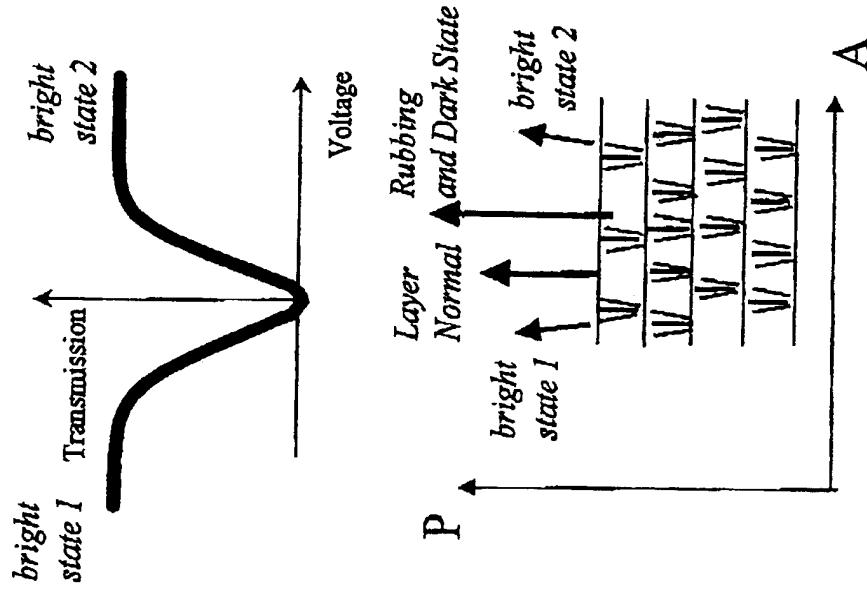
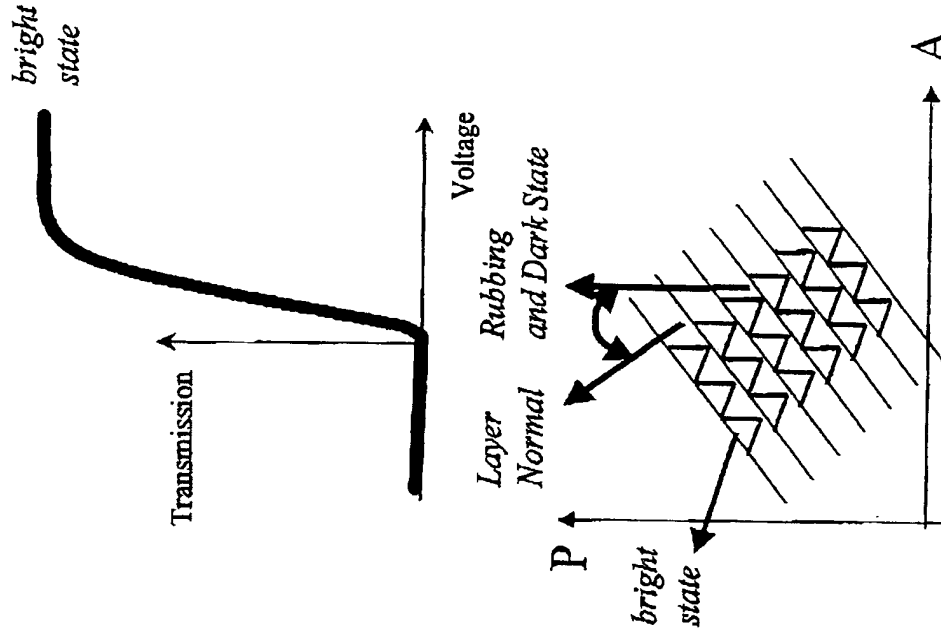




Sony-Mode*



Present Invention



[*] Nito, K.

FIG. 1



Sony-Mode*

1) Phase sequence:

I N A C

2) Maximum transmission:

$$I=I_0 * \sin^2 (2\theta)$$

3) Symmetric to polarity change

4) layer angle = tilt angle

5) monostable position parallel to layer normal (projection on glass plate)

6) angle between N-phase director and smectic layer normal is essentially Zero.

[*] Nito, K.,

Present Invention

Phase sequence:

I N C

Maximum transmission:

$$I=I_0 * \sin^2 (4\theta)$$

Asymmetric to polarity change

independent on tilt angle

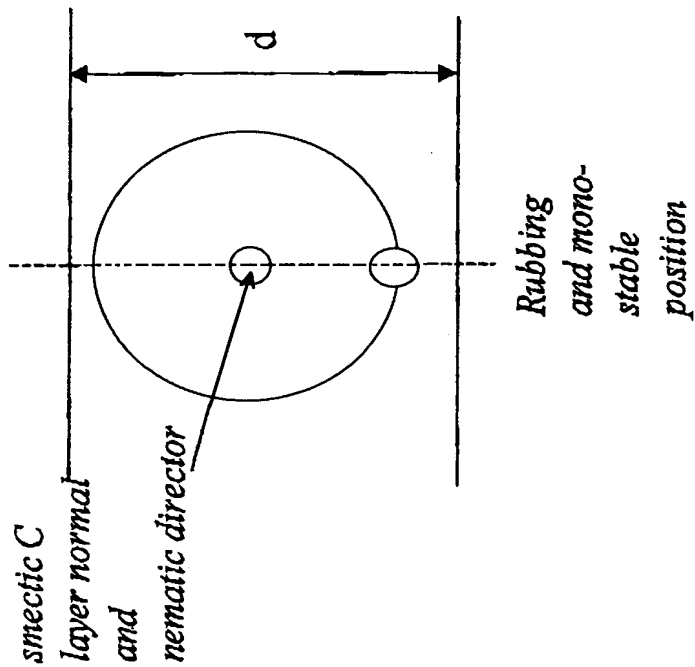
monostable position at ca. θ to layer normal (projection on glass plate)

6) angle between N-phase director and smectic layer normal is approximately θ .

FIG. 2

Director Configuration

Sony-Mode*



Present Invention

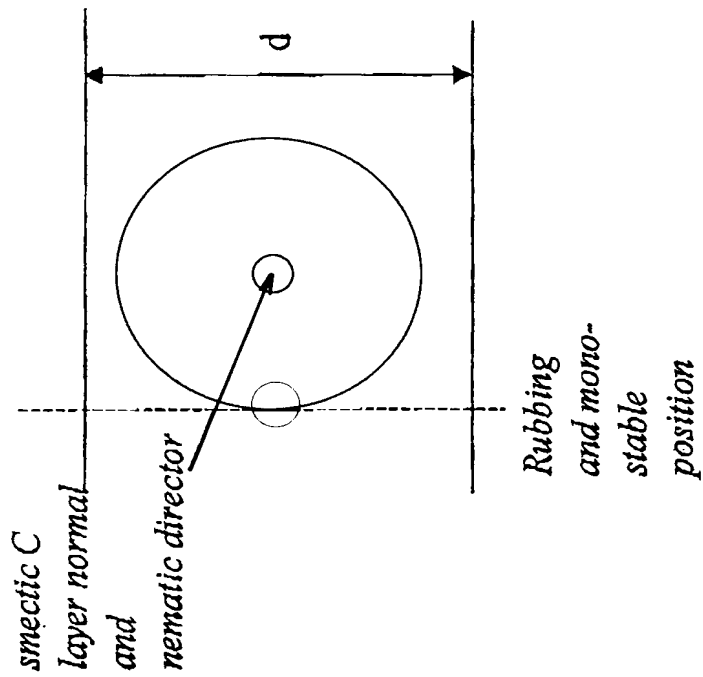
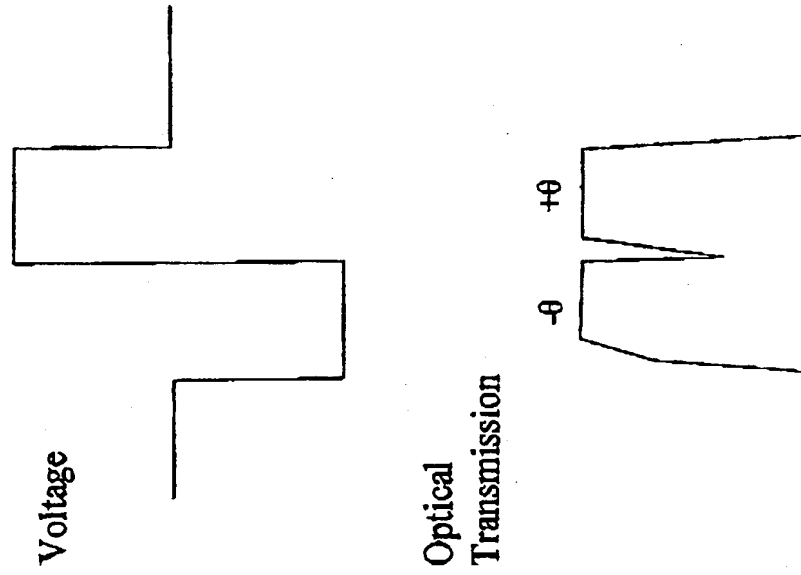


FIG. 3

Response to Pulses

Sony-Mode*



Present Invention

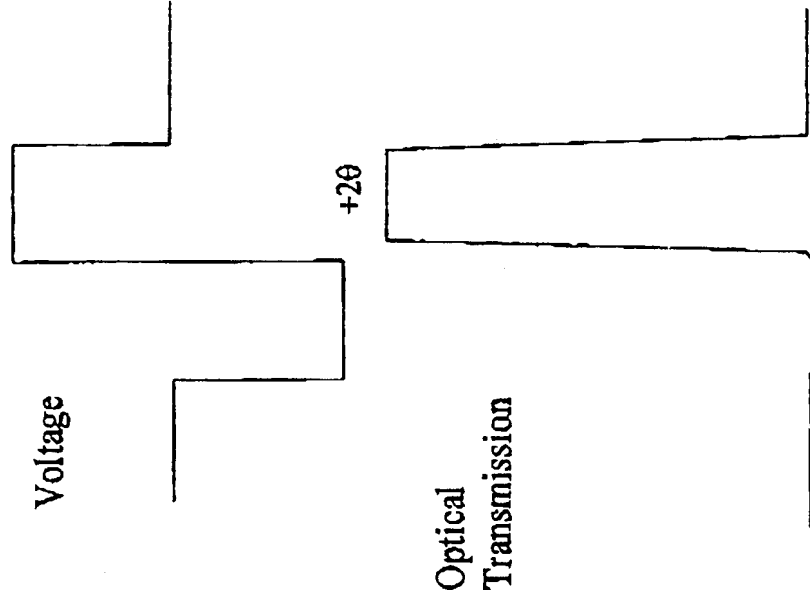


FIG. 4